

MTH 30 LECTURE NOTES (Ojakian)

Topic 11: Graph Polynomial Functions

OUTLINE

(References: 3.4)

1. More Intercepts
 2. Graphing Polynomials
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1. Intercepts

Finding intercepts for more complicated polynomial functions.

2. What happens in between roots?

Check the sign? ...

3. Recall End Behavior

Just need leading term!

4. Graph Polynomials

- (a) Show intercepts
- (b) Show intermediate positive/negative behavior
- (c) Show end behavior
- (d) Where are local max/min ... wait for calculus!

5. Problems

Section 3.4: 43, 47

Section 3.4: One like 57